

# Joseph Botros

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## EDUCATION

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### University of Texas at Dallas

*Computer Science, Bachelor's of Science*

Dec. 2027

*Dallas, TX*

## EXPERIENCE

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### Data Analysis Researcher

*LIVE Lab, Texas A&M University*

Oct. 2024 – Present

*College Station, TX*

- Conducted in-depth observations and reported on the evolution of educational video games (EVGs), assessing trends in both quantity and quality over time
- Analyzed data from 1,545 EVGs developed by 75 publishers, identifying recurring themes, design patterns, and industry trends influencing educational effectiveness
- Documented key findings, insights, and conclusions in a formal research report

### Pharmacy Technician Trainee Externship

*Walgreens*

Sep. 2022 – Mar. 2023

*Keller, TX*

- Operated pharmacy management system to process prescriptions and manage patient data
- Filled, organized, and dispensed patient prescriptions
- Managed and processed pharmaceutical shipments into store inventory

## PROJECTS

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### Prophetic Vision Stock Picker | C++

Sep. 2024 – Dec. 2024

- Developed tools for financial analysis, utilizing company financial statements (10-K, 10-Q) to build a database to search functionality and the calculation of key statistics such as EBITDA
- Implemented stock valuation tools by programming popular valuation methods, using references from industry-standard books and websites to support security analysis
- Conducted statistical analysis on stock data, including linear modeling for return prediction
- Designed user interface options using a command-line interface

### Student Database | C, VS Code

Mar. 2024 – April 2024

- Prompted users to search a file for a student's name, a major, a University Identification Number (UIN), or an academic year
- Processed data structure into lists of the student name, major, UIN, and academic year
- Implemented a merge sorting algorithm to alphabetically organize students by last name
- Optimized data output for user-friendly readability

## TECHNICAL SKILLS

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**Languages:** Python, C/C++, HTML/CSS, JavaScript

**Developer Tools:** Git, VS Code, PyCharm

**Libraries/Frameworks:** pandas, NumPy, Matplotlib, Seaborn, scikit-learn, PyTorch, Bootstrap